

## ECAT Chemistry Chapter 22 Alcohols, Phenols and Ethers

Sr	Questions	Answers Choice
1	A compound is soluble in conc. $\text{H}_2\text{SO}_4$ , it does not decolourise bromine in carbon tetrachloride but is oxidized by chromic anhydride in aqueous sulphuric acid within two seconds, turning orange solution to blue, green and then opaque. The original compound is	A. Primary alcohol B. Tertiary alcohol C. alkene D. ether
2	Which is a reagent for Lucas test	A. $\text{ZnCl}_2$ + Conc. $\text{HCl}$ B. $\text{Zn}$ C. $\text{Na}$ D. $\text{Br}$
3	Industrial alcohol may be denatured by the addition of	A. Methyl alcohol B. Acetone C. Pyridine D. Any of the above reagent
4	Which of the following compound is known as oil of winter green?	A. Phenyl benzoate B. Phenyl salicylate C. Phenyl acetate D. Methyl salicylate
5	Which of the following compounds will not react with sodium metal to release hydrogen	A. $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3$ B. $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{OH}$ C. $\text{C}_6\text{H}_5\text{OH}$ D. $\text{C}_6\text{H}_5\text{CH}_2\text{CH}_2\text{OH}$
6	Dehydration of ethyl alcohol yields	A. Aldehyde B. Ketone C. Acid D. Alkene
7	When phenol is reduced in the presence of $\text{Zn}$ dust, we get	A. Cyclohexene B. Cyclohexane C. Benzene D. Benzene
8	In Dow's method, phenol can be made from	A. Chlorobenzene B. Benzene C. Toluene D. Benzene sulphonic acid
9	The malt-sugar in the presence of yeast or invertase gives	A. Fructose B. Glucose C. Lignin D. Alcohol
10	Williamson's synthesis is used to prepare	A. Diethylether B. Phenolphthalein C. Hydrogenation D. Bakelite
11	Rectified spirit contains alcohol about:	A. 80% B. 85% C. 90% D. 95%
12	Grignard reagent on reaction with a ketone forms	A. Tertiary alcohol B. Secondary alcohol C. Primary alcohol D. Carboxylic acid
13	During dehydration of alcohols to alkenes by heating with conc. $\text{H}_2\text{SO}_4$ , the initial step is	A. Formation of an ester B. Protonation of alcohol molecule C. Formation of carbocation D. Elimination of water
14	Ethanol containing some methanol is called	A. Absolute spirit B. Rectified spirit C. Power alcohol D. Methylated spirit
15	The strongest acid among the following aromatic compound is	A. Ortho-nitrophenol B. Para-chlorophenol C. Para-nitrophenol

D. Meta-nitrophenol

16 Which one is primary alcohol?

- A. Buten-2-ol
- B. Propan-2-ol
- C. Butan-1-ol
- D. 2,3-Dimethylhexane-4-ol

17 Methanol and ethanol can be distinguished by

- A. Iodoform test
- B. Lucas test
- C. Dichromate/H<sub>2</sub>SO<sub>4</sub> oxidation test
- D. Flame test

18 Which of the following compound is obtained on passing ethanol vapours on heated Al<sub>2</sub>O<sub>3</sub>?

- A. Ethylether
- B. Acetone
- C. Ethane
- D. Ethanol

19 Oxidation of 2-propanol gives

- A. Propanone
- B. Butanone
- C. Pentanone
- D. None of these

20 Which one is used as a fuel for internal combustion engines in many European countries and Brazil

- A. C<sub>2</sub>H<sub>5</sub>OH
- B. CH<sub>3</sub>OH
- C. CH<sub>3</sub>COOH
- D. C<sub>2</sub>H<sub>2</sub>